

M 6.0, Ryukyu Islands, Japan

Origin Time: 2021-12-09 02:05:07 UTC (Thu 11:05:07 local)
Location: 29.4132° N 129.3846° E Depth: 7.0 km

Created: 2 weeks, 1 day after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

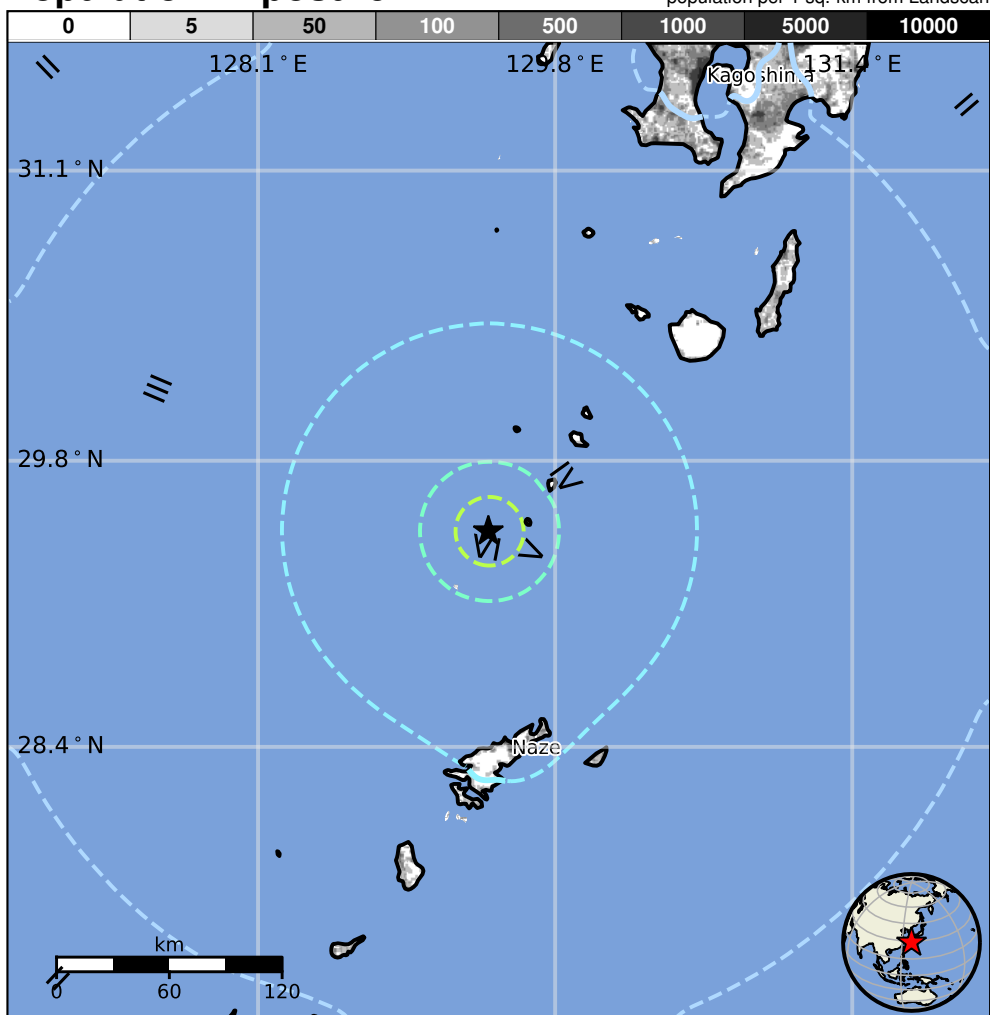


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,399k	58k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1994-02-12	312	5.4	VII(5k)	0
1997-05-13	293	6.0	VIII(163k)	0
1987-03-18	371	6.6	VII(593k)	1

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Naze	41k
III	Kurio	2k
III	Miyanoura	7k
III	Yudomari	2k
III	Koshima	1k
III	Nagata	1k
III	Ibusuki	30k
III	Kanoya	82k
III	Kagoshima	555k
III	Hamanoichi	39k
III	Nichinan	44k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000gaq5#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000gaq5